

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Aptina Imaging CorporationApplication No./Patent No.: 7,183,531 Filed/Issue Date: February 27, 2007Entitled: AMPLIFICATION WITH FEEDBACK CAPACITANCE FOR PHOTODETECTOR SIGNALS

Aptina Imaging Corporation, a Corporation  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
 (The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

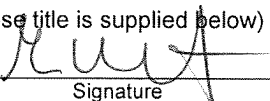
1. From: Alf Olsen et al. To: Micron Technology, Inc.  
 The document was recorded in the United States Patent and Trademark Office at Reel 015174, Frame 0859, or for which a copy thereof is attached.
2. From: Micron Technology, Inc. To: Aptina Imaging Corporation  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
 Signature

November 25, 2008  
 Date

Gianni Minutoli  
 Printed or Typed Name

(202) 420-3191  
 Telephone Number

Attorney for Assignee  
 Title

## PATENT ASSIGNMENT AGREEMENT

### 1. Definitions

(a) "Agreement" shall mean this Patent Assignment Agreement.

(b) "Assignee" shall mean **Aptina Imaging Corporation**, a Cayman Islands corporation with offices at c/o Citco Trustees (Cayman) Limited, Regatta Office Park, West Bay Road, Grand Cayman, Y1-1205, Cayman Islands.

(c) "Assignor" shall mean **Micron Technology, Inc.**, a Delaware corporation with offices at 8000 South Federal Way, Boise, ID 83707.

(d) "Effective Date" shall mean October 3, 2008.

(e)

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(f)

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(g) "Imaging Patents" shall mean those patents identified in ATTACHMENT "A" hereto, including, without limitation, all divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts thereof, and which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(h) "Imaging Patent Applications" shall mean those filed patent applications identified in ATTACHMENT "B" hereto, including, without limitation, all patents, divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(i) "Semiconductor Patents" shall mean those patents identified in ATTACHMENT "D" hereto, including, without limitation, all divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts thereof, and which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(j) "Semiconductor Patent Applications" shall mean those filed patent applications identified in ATTACHMENT "E" hereto, including, without limitation, all patents, divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(k)

2.

(a) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Imaging Patents, including all rights to causes of action and remedies related thereto (including the right to sue for past, present or future infringement of rights related to the foregoing and the right to collect damages therefor). Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to issue the Imaging Patents to Assignee and to record assignment of the Imaging Patents to Assignee.

(b) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Intellectual Property rights in the Imaging Patent Applications. Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to record assignment of the Imaging Patent Applications to Assignee.

(c)

(d) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, and subject further to the restrictions on the Semiconductor Patents set out below, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Semiconductor Patents, including all rights to causes of action and remedies related thereto (including the right to sue for past, present or future infringement of rights related to the foregoing and the right to collect damages therefor). Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to issue the Semiconductor Patents to Assignee and to record assignment of the Semiconductor Patents to Assignee.

(e) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Intellectual Property rights in the Semiconductor Patent Applications. Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to record assignment of the Semiconductor Patent Applications to Assignee.

(f)

[REDACTED]

[REDACTED]

[REDACTED]

3 [REDACTED]

[REDACTED]

4. [REDACTED]

[REDACTED]

5. [REDACTED]

[REDACTED]

[REDACTED]

6. [REDACTED]

[REDACTED]

7. General

This Agreement shall be effective as of the Effective Date hereof and shall be binding on the respective heirs, assigns, representatives, and successors of Assignor and of Assignee.

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Agreed to by:

Micron Technology, Inc.

Signed: \_\_\_\_\_

Date: 9/26/08, 2008

**Notarization**

State of Idaho  
County of Ada

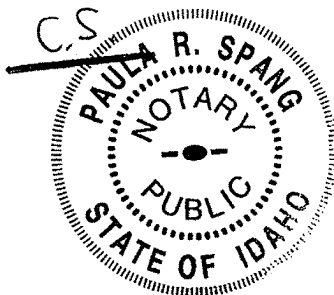
On 9/26/08, before me, Paula R. Spang, personally appeared the above-named Steven R. Appleton

who executed this Assignment in my presence and acknowledged to me that he did so of his own free will and in his authorized capacity for the purposes set forth herein.

Signed: \_\_\_\_\_

My commission expires: 8/12/11

REVIEWED  
MTI LEGAL



Agreed to by:

Aptina Imaging Corporation

Signed: \_\_\_\_\_

Date: 9/26/08, 2008

**Notarization**

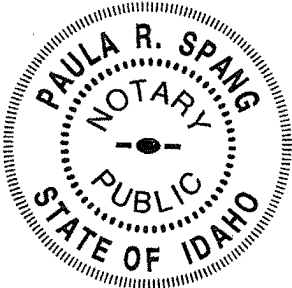
State of Idaho  
County of Ada

On 9/26/08, before me, Paula R. Spang, personally appeared the above-named Thomas L. Lauer, Jr.

who executed this Assignment in my presence and acknowledged to me that he did so of his own free will and in his authorized capacity for the purposes set forth herein.

Signed: \_\_\_\_\_

My commission expires: 8/12/11



[Signature page to the Patent Assignment Agreement]

ATTACHMENT "A"

IMAGING PATENTS

## Aptina Issued

PATENT NUMBER	FILE NUMBER	TITLE	COUNTRY NAME	ISSUE DATE
7157683	2003-0824.00/US	FORMATION METHOD, APPARATUS AND SYSTEM PROVIDING CONFIGURABLE CURRENT SOURCE FOR IMAGE SENSORS	United States of America	Jan 2, 2007
7164161	2003-0331.00/US	DUAL GATE STRUCTURE FOR IMAGERS AND METHOD OF FORMATION	United States of America	Jan 16, 2007
7166879	1997-1466.01/US	PHOTOGATE WITH IMPROVED SHORT WAVELENGTH RESPONSE FOR A CMOS IMAGER	United States of America	Jan 23, 2007
7170117	2003-0105.01/US	IMAGE SENSOR WITH IMPROVED DYNAMIC RANGE AND METHOD OF FORMATION	United States of America	Jan 30, 2007
7183531	PBIT-0154.00/US	AMPLIFICATION WITH FEEDBACK CAPACITANCE FOR PHOTODETECTOR SIGNALS	United States of America	Feb 27, 2007
7184284	2003-1218.00/US	CLOSED-LOOP HIGH VOLTAGE BOOSTER	United States of America	Feb 27, 2007
7186964	2002-0308.01/US	DARK CURRENT REDUCTION CIRCUITRY FOR CMOS ACTIVE PIXEL SENSORS	United States of America	Mar 6, 2007
7188036	2003-0067.01/US	INTERNAL BIAS MEASURE WITH ONBOARD ADC FOR ELECTRONIC DEVICES	United States of America	Mar 6, 2007
7189954	2003-0917.00/US	MICROELECTRONIC IMAGERS WITH OPTICAL DEVICES AND METHODS OF MANUFACTURING SUCH MICROELECTRONIC IMAGERS	United States of America	Mar 13, 2007
7190039	2004-0187.00/US	MICROELECTRONIC IMAGERS WITH SHAPED IMAGE SENSORS AND METHODS FOR MANUFACTURING MICROELECTRONIC IMAGERS	United States of America	Mar 13, 2007
7196829	AVGO-0044.00/US	DIGITAL IMAGE SYSTEM AND METHOD FOR COMBINING SENSING AND IMAGE PROCESSING ON SENSOR WITH TWO-COLOR PHOTO-DETECTOR	United States of America	Mar 27, 2007
7199349	PBIT-0154.01/US	AMPLIFICATION WITH FEEDBACK CAPACITANCE FOR PHOTODETECTOR SIGNALS	United States of America	Apr 3, 2007